

Project Name: Hardsetting Soils
Project Code: HS **Site ID:** CP288 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	Southeast of 'The Rock'. On the Northern edge of the 'Bulloc Range'.
Date Desc.:	01/01/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6092400 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	512800 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	%	Aspect:	45 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	N/A
		Great Soil Group:	N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.14 m	Dark reddish brown (5YR3/4-Moist); ; Coarse sandy loam; Moderate grade of structure, <2 mm, Granular; Very weak consistence; 2-10%, coarse fragments; Many
B21w	0.14 - 0.33 m	Reddish brown (5YR4/4-Moist); ; Loamy coarse sand; Weak grade of structure, 10-20 mm, Subangular blocky; Single grain grade of structure; Very weak consistence; 10-20%, coarse fragments; Common
B22w	0.33 - 0.53 m	Yellowish red (5YR4/6-Moist); ; Loamy coarse sand; Weak grade of structure, 10-20 mm, Subangular blocky; Single grain grade of structure; Very weak consistence; 50-90%, coarse fragments; Few
B23w	0.53 - 0.73 m	Red (2.5YR4/6-Moist); ; Coarse sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Single grain grade of structure; Very weak consistence; 20-50%, coarse fragments; Few
R	0.73 - m	Rock

Morphological Notes

B21w	American system, horizon is Bw1.
B22w	American system, horizon is Bw2.
B23w	American system, horizon is Bw3.
R	Sandstone.

Observation Notes

Soil Taxonomy: Dystric Xerochrept, coarse loamy.

Site Notes

Observation ID: 1

Agency Name: CSIRO Division of Soils (ACT)

Laboratory Test Results:

[illegible][illegible][illegible]

Project Name: Hardsetting Soils
Project Code: HS **Site ID:** CP288 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Laboratory Analyses Completed for this profile

13A1_AL	Oxalate-extractable aluminium
13A1_FE	Oxalate-extractable iron
13A1_MN	Oxalate-extractable manganese
13A1_SI	Oxalate-extractable silicon
15C1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15I4	CEC measurement - titration of ammonium and chloride ions
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
6B3	Total organic carbon - high frequency induction furnace, infrared
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance